

South Carolina LiDAR Partnership Workshop

Tuesday, April 8, 2008

Columbia Conference Center 169 Laurelhurst Avenue Columbia, SC 29210

www.columbiameetings.com/directions.htm

Agenda

8:30 **Sign-in**

Morning Drinks & Food Bagels, Muffins, Coffee

Bottled Water, Soft Drinks

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Sponsored by Fugro EarthData

9:00 **Introductions**

Project Status and Plans

Jim Scurry
Gary Merrill

9:15 Fugro Earthdata

LiDAR 101

Sensor, Aircraft, and How LiDAR works
Design Considerations / Overview Production Flow

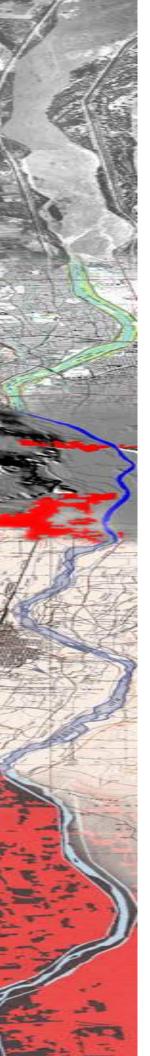
SC Project

Flight layout / Terrain considerations, Acquisition / Deliverable products, Formats and specifications Value-added uses and its products Feasible products with SC LiDAR Harold Remple Bill Shinar

10:15 **Break**

10:30 ESRI; ArGIS Spatial Analyst / 3D Analyst

Gridding of Hydro-corrected DEMs Generation of Contours Floodplain Delineation Watershed Delineation Viewshed / Line-of-sight Clayton Crawford Lindsay MacDonald



11:30 **Open Discussion**

12:00 **Lunch**

Box Lunches provided Discussion / Question period Sponsored by SCDNR

1:00 **GeoCue Corporation**

Martin Flood

Professional Services

Workflow process with GeoCue

TerraScan / TerraModeler with Bentley's MicroStation LiDAR point cloud to contours in a CAD environment

QA/QC workflows for LiDAR data users

2:00 **Break**

Sponsored by GeoCue

Full Refreshments Provided

2:15 Merrick & Company

Bill Emison

Intro to Merrick Advanced Remote Sensing Software (MARS)

LiDAR data collection concepts, and overview

QA/QC procedures

Data import / export

Data classification (aka filtering)

Breakline compilation (hydro-enforcement)

Data Production:

Contours, Grids, Feature Extraction, Buildings, Impervious Surfaces

3:15 **Open Discussion**

3:45 Closing Remarks

You are welcome to stay for further questions and to network

4:00 <u>Meet with Workshop Sponsors</u>

ESRI

Fugro EarthData

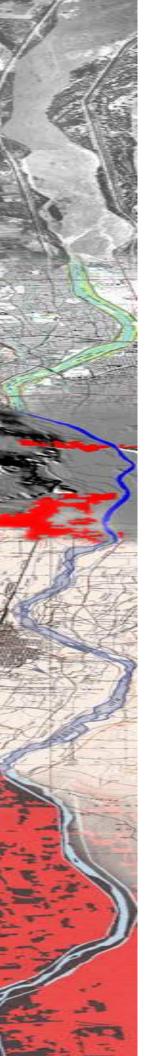
GeoCue

Merrick & Company

SCDNR

USGS

5:00 Thank You



Workshop Goals

Status of 2008 project flight and product deliverables
Provide consortium membership with an overview of incoming LiDAR data
Demonstrate software packages to highlight benefits of SC LiDAR
Discuss funding plans for 2009 and 2010 flights
Invite new members to join consortium project

2008 Status: Statewide – Multi-year Project

Flight complete – 16 counties Data processing underway Delivery Schedule by County:

May 15, 2008	Greenwood	Clarendon
June 15, 2008	Marion	Laurens
July 15, 2008	Williamsburg	Chester
Aug 15, 2008	Chesterfield	Marlboro
Sept 15, 2008	Orangeburg	Cherokee
Oct 15, 2008	Lancaster	Union
Nov 15, 2008	Dillon	Darlington
Dec 15, 2008	Fairfield	Newberry

Points of Contact

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Workshop Sponsors











